

GILA RIVER BASIN

09503300 GRANITE CREEK BELOW WATSON LAKE NEAR PRESCOTT, AZ

LOCATION--Lat 34°36'49" long 112°25'02", in NW1/4NE1/4NE1/4 sec. 12, T.14 N., R.2 W., Yavapai County, Hydrologic Unit 15060202, 150 ft downstream of bridge on the U.S. Highway ALT 89, 6 mi north of Prescott, and 10 mi south of Chino Valley.

DRAINAGE AREA--Undetermined.

PERIOD OF RECORD--Sept. 1999 to current year.

GAGE--Water-stage recorder. Elevation of gage is 5,020 ft above sea level, from topographic map.

REMARKS--No estimated daily discharges. Records poor. Flow is partially regulated by Goldwater Reservoirs (2) on Bannon Creek and by Willow Creek and Watson Reservoirs. No diversion above station 09503300 (telecom with City Engineer 2/96). There is a diversion gate and canal at the gage, which conveys up to several ft³/s during the growing season.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 1,100 ft³/s July 27, 2003, gage height 6.72 ft, from an extension of the rating curve based on an equation for free weir flow. No flow for many days during the period of record.

EXTREMES FOR CURRENT YEAR--Maximum discharge, 1,100 ft³/s July 27 at 1900, gage height, 6.72 ft. Minimum daily discharge, no flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	0.03	0.04	0.04	0.04	3.6	0.22	0.22	0.08	0.00	1.2	0.95
2	0.03	0.02	0.04	0.04	0.03	3.6	0.46	0.36	0.06	0.00	0.38	0.94
3	0.03	0.02	0.04	0.04	0.03	0.95	0.18	0.35	0.03	0.10	0.39	0.95
4	0.03	0.02	0.04	0.04	0.04	0.25	0.17	0.22	0.00	0.00	0.44	0.52
5	0.03	0.02	0.04	0.04	0.04	0.17	0.14	0.22	0.00	0.00	0.41	0.00
6	0.02	0.02	0.04	0.04	0.04	0.13	0.12	0.22	0.00	0.00	0.35	0.00
7	0.02	0.02	0.04	0.04	0.02	0.10	0.17	0.18	0.00	0.00	0.28	0.00
8	0.02	0.02	0.04	0.04	0.03	0.11	0.22	0.11	0.00	0.00	0.93	0.00
9	0.02	0.02	0.04	0.04	0.03	0.12	0.22	0.09	0.00	0.00	1.3	0.00
10	0.01	0.02	0.03	0.04	0.03	0.14	0.22	0.09	0.00	0.00	2.2	0.00
11	0.01	0.02	0.02	0.04	0.04	0.18	0.13	0.09	0.00	0.00	1.0	0.00
12	0.01	0.02	0.03	0.04	0.04	0.20	0.09	0.09	0.00	0.00	0.81	0.00
13	0.01	0.02	0.04	0.04	10	0.22	0.09	0.09	0.00	0.00	1.0	0.00
14	0.01	0.02	0.04	0.04	5.0	0.22	0.09	0.11	0.00	0.00	6.5	0.00
15	0.01	0.02	0.04	0.04	0.72	0.22	0.09	0.08	0.00	0.00	24	0.00
16	0.01	0.02	0.04	0.04	0.13	4.3	0.12	0.17	0.00	0.00	4.5	0.00
17	0.01	0.02	0.03	0.05	0.07	10	0.14	0.20	0.00	0.00	1.7	0.00
18	0.02	0.02	0.03	0.05	0.06	57	0.09	0.16	0.00	0.00	0.95	0.00
19	0.02	0.02	0.04	0.05	0.05	50	0.10	0.11	0.00	0.00	0.95	0.00
20	0.01	0.02	0.03	0.06	0.05	30	0.09	0.11	0.00	0.00	0.95	0.00
21	0.01	0.02	0.04	0.07	0.05	22	0.08	0.08	0.00	0.00	14	0.00
22	0.01	0.02	0.03	0.07	0.05	12	0.09	0.08	0.00	0.00	2.8	0.00
23	0.03	0.02	0.04	0.07	0.05	7.5	0.22	0.12	0.00	0.00	2.2	0.00
24	0.04	0.02	0.04	0.07	0.05	5.8	0.22	0.16	0.00	1.3	1.2	0.00
25	0.04	0.02	0.04	0.07	0.93	3.6	0.22	0.12	0.00	5.4	0.95	0.00
26	0.05	0.03	0.04	0.07	6.9	2.2	0.22	0.11	0.00	0.00	0.96	0.00
27	0.07	0.05	0.04	0.07	3.3	0.78	0.22	0.11	0.00	35	0.95	0.00
28	0.07	0.05	0.04	0.11	5.8	0.21	0.22	0.11	0.00	5.2	1.3	0.00
29	0.06	0.05	0.04	0.11	---	0.18	0.22	0.11	0.00	1.7	7.5	0.00
30	0.05	0.05	0.04	0.10	---	0.19	0.22	0.11	0.00	18	2.3	0.00
31	0.05	---	0.04	0.04	---	0.22	---	0.11	---	4.8	1.1	---
TOTAL	0.84	0.74	1.16	1.70	33.62	216.19	5.08	4.49	0.17	71.50	85.50	3.36
MEAN	0.027	0.025	0.037	0.055	1.20	6.97	0.17	0.14	0.006	2.31	2.76	0.11
MAX	0.07	0.05	0.04	0.11	10	57	0.46	0.36	0.08	35	24	0.95
MIN	0.01	0.02	0.02	0.04	0.02	0.10	0.08	0.08	0.00	0.00	0.28	0.00
MED	0.02	0.02	0.04	0.04	0.05	0.25	0.17	0.11	0.00	0.00	1.0	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

	MEAN	0.28	0.047	0.044	0.20	0.61	3.65	0.15	0.070	0.033	0.59	1.13	1.62
MAX	1.07	0.083	0.14	0.64	1.20	7.15	0.25	0.14	0.13	2.31	2.76	11.0	
(WY)	2001	2001	2000	2001	2003	2001	2001	2003	2001	2003	2003	1999	
MIN	0.000	0.000	0.000	0.000	0.000	0.028	0.046	0.000	0.000	0.001	0.001	0.000	
(WY)	2002	2002	2002	2002	2002	2002	2002	2000	2000	2002	2002	2001	

SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	41.30		424.35			
ANNUAL MEAN	0.11		1.16		0.72	
HIGHEST ANNUAL MEAN					11.0	
LOWEST ANNUAL MEAN					0.11	
HIGHEST DAILY MEAN	22	Sep 7	57	Mar 18	82	Sep 23 1999
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Jun 4	0.00	Oct 7 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Jun 4	0.00	Oct 14 1999
10 PERCENT EXCEEDS	0.05		1.3		0.53	
50 PERCENT EXCEEDS	0.00		0.04		0.01	
90 PERCENT EXCEEDS	0.00		0.00		0.00	